



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12141552
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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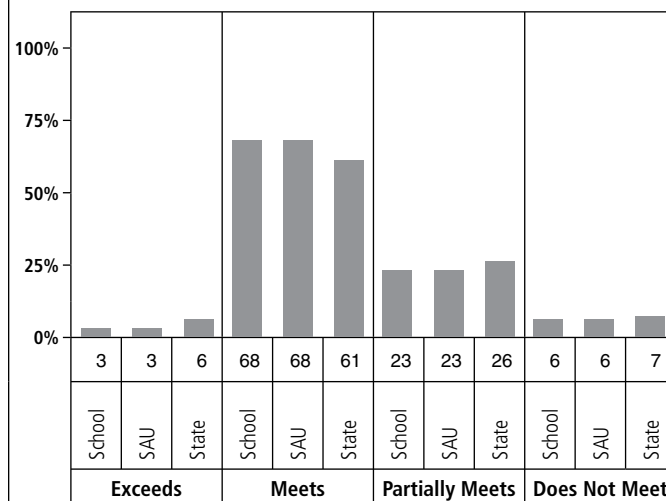
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

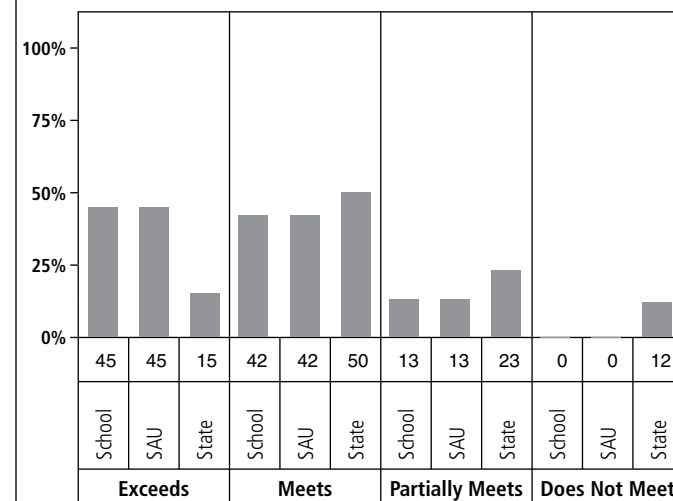
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	541	541	544
2007–2008	539	539	545
2008–2009	547	547	546
Cum. Avg.*	542	542	545
Mathematics			
2006–2007	546	546	546
2007–2008	543	543	546
2008–2009	558	558	547
Cum. Avg.*	548	548	546
Science			
2008–2009 **	543	543	543

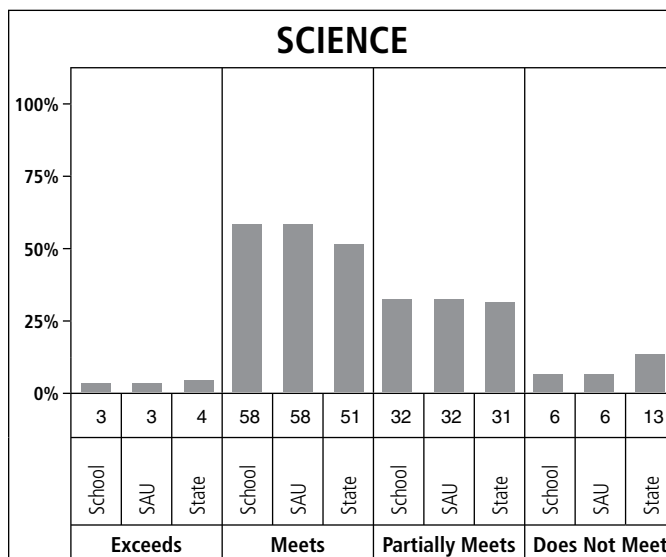
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	31	100	31	100	14212	100	31	100	31	100	14135	100	31	100	31	100	14144	100	31	100	31	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	31	100	31	100	13271	93	31	100	31	100	13212	100	31	100	31	100	13211	100	31	100	31	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	7	23	7	23	2479	17	7	100	7	100	2454	100	7	100	7	100	2455	100	7	100	7	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	14	45	14	45	5848	41	14	100	14	100	5815	100	14	100	14	100	5819	100	14	100	14	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	24	77	24	77	10849	76	24	77	24	77	10872	76	26	84	26	84	10976	77
Identified disability (PET/IEP)	3	13	3	13	298	3	3	13	3	13	307	3	3	12	3	12	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	1	4	1	4	123	1	1	4	1	4	121	1	1	4	1	4	126	1
Participation with accommodations	7	23	7	23	3122	22	7	23	7	23	3124	22	5	16	5	16	3019	21
Identified disability (PET/IEP)	4	57	4	57	1992	64	4	57	4	57	2000	64	4	80	4	80	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	3	43	3	43	907	29	3	43	3	43	886	28	1	20	1	20	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	3	1	3	702	5
	2007-2008	1	2	1	2	659	5
	2008-2009	1	3	1	3	836	6
	Cum. Total*	3	3	3	3	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	12	35	12	35	7730	55
	2007-2008	15	36	15	36	8195	58
	2008-2009	21	68	21	68	8495	61
	Cum. Total*	48	45	48	45	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	18	53	18	53	4182	30
	2007-2008	18	43	18	43	3800	27
	2008-2009	7	23	7	23	3667	26
	Cum. Total*	43	40	43	40	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	3	9	3	9	1419	10
	2007-2008	8	19	8	19	1362	10
	2008-2009	2	6	2	6	973	7
	Cum. Total*	13	12	13	12	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.5	65.6	31.5	65.6	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.0	62.5	15.0	62.5	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.5	68.8	16.5	68.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	31	1	3	21	68	7	23	2	6	547	31	3	68	23	6	547	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	31	1	3	21	68	7	23	2	6	547	31	3	68	23	6	547	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	7	0	0	4	57	1	14	2	29	541	7	0	57	14	29	541	2290	0	29	47	23	537
No	24	1	4	17	71	6	25	0	0	548	24	4	71	25	0	548	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	31	1	3	21	68	7	23	2	6	547	31	3	68	23	6	547	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	14	0	0	8	57	4	29	2	14	541	14	0	57	29	14	541	5716	2	51	35	12	542
No	17	1	6	13	76	3	18	0	0	551	17	6	76	18	0	551	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	31	1	3	21	68	7	23	2	6	547	31	3	68	23	6	547	13963	6	61	26	7	546
Gender																						
Female	22	1	5	16	73	3	14	2	9	547	22	5	73	14	9	547	6882	8	62	24	6	547
Male	9	0	0	5	56	4	44	0	0	547	9	0	56	44	0	547	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	6	55	5	45	0	0	543	11	0	55	45	0	543	1914	1	41	44	14	540
No	20	1	5	15	75	2	10	2	10	549	20	5	75	10	10	549	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	31	1	3	21	68	7	23	2	6	547	31	3	68	23	6	547	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	3	0	0	0	0	0	0	1	100	514	3	0	0	0	100	514	4	2	40	34	24	540
B. less than one hour	67	1	5	14	70	4	20	1	5	549	67	5	70	20	5	549	70	6	63	26	6	546
C. one to two hours	30	0	0	6	67	3	33	0	0	545	30	0	67	33	0	545	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	20	0	0	4	67	1	17	1	17	543	20	0	67	17	17	543	36	10	67	18	5	549
B. good	53	1	6	14	88	1	6	0	0	551	53	6	88	6	0	551	47	5	62	27	6	546
C. fair	27	0	0	2	25	5	63	1	13	540	27	0	25	63	13	540	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	33	1	10	7	70	2	20	0	0	550	33	10	70	20	0	550	31	9	65	20	5	548
B. They match some of what I have learned.	37	0	0	9	82	2	18	0	0	549	37	0	82	18	0	549	55	5	63	27	5	546
C. They match just a little of what I have learned.	27	0	0	4	50	2	25	2	25	540	27	0	50	25	25	540	10	3	45	38	14	542
D. There is no match.	3	0	0	0	0	1	100	0	0	538	3	0	0	100	0	538	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	10	0	0	1	33	2	67	0	0	543	10	0	33	67	0	543	16	3	49	32	15	542
B. about the same as my regular schoolwork	55	1	6	11	69	3	19	1	6	548	55	6	69	19	6	548	64	7	63	25	5	547
C. easier than my regular schoolwork	34	0	0	7	70	2	20	1	10	545	34	0	70	20	10	545	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	3	0	0	0	0	0	0	1	100	514	3	0	0	0	100	514	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	63	0	0	13	68	5	26	1	5	546	63	0	68	26	5	546	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	33	1	10	7	70	2	20	0	0	551	33	10	70	20	0	551	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	20	0	0	3	50	3	50	0	0	544	20	0	50	50	0	544	20	10	64	21	5	548
B. 20 minutes to an hour	43	1	8	8	62	2	15	2	15	547	43	8	62	15	15	547	56	7	65	24	5	547
C. less than 20 minutes	17	0	0	5	100	0	0	0	0	548	17	0	100	0	0	548	10	3	52	33	12	543
D. I rarely read at home.	20	0	0	4	67	2	33	0	0	547	20	0	67	33	0	547	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	7	0	0	0	0	1	50	1	50	535	7	0	0	50	50	535	25	3	53	33	11	543
B. six to ten pages	10	0	0	3	100	0	0	0	0	552	10	0	100	0	0	552	26	6	61	26	7	546
C. eleven or more pages	83	1	4	17	71	5	21	1	4	547	83	4	71	21	4	547	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	3	9	3	9	1711	12
	2007-2008	2	5	2	5	1617	12
	2008-2009	14	45	14	45	2119	15
	Cum. Total*	19	18	19	18	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	18	53	18	53	6778	48
	2007-2008	22	52	22	52	7284	52
	2008-2009	13	42	13	42	7046	50
	Cum. Total*	53	50	53	50	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	8	24	8	24	3884	28
	2007-2008	12	29	12	29	3341	24
	2008-2009	4	13	4	13	3193	23
	Cum. Total*	24	22	24	22	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	5	15	5	15	1683	12
	2007-2008	6	14	6	14	1778	13
	2008-2009	0	0	0	0	1638	12
	Cum. Total*	11	10	11	10	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	32.3	67.3	32.3	67.3	25.5	53.1
A. Number	18	38	12.5	69.4	12.5	69.4	9.8	54.4
B. Data	10	21	6.7	67.0	6.7	67.0	5.2	52.0
C. Geometry	10	21	6.0	60.0	6.0	60.0	4.7	47.0
D. Algebra	10	21	7.1	71.0	7.1	71.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	31	14	45	13	42	4	13	0	0	558	31	45	42	13	0	558	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	31	14	45	13	42	4	13	0	0	558	31	45	42	13	0	558	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	7	2	29	3	43	2	29	0	0	554	7	29	43	29	0	554	2307	3	32	32	33	536
No	24	12	50	10	42	2	8	0	0	559	24	50	42	8	0	559	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	31	14	45	13	42	4	13	0	0	558	31	45	42	13	0	558	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	14	4	29	7	50	3	21	0	0	552	14	29	50	21	0	552	5731	7	46	29	18	542
No	17	10	59	6	35	1	6	0	0	563	17	59	35	6	0	563	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	31	14	45	13	42	4	13	0	0	558	31	45	42	13	0	558	13988	15	50	23	12	547
Gender																						
Female	22	10	45	8	36	4	18	0	0	557	22	45	36	18	0	557	6889	14	51	23	12	546
Male	9	4	44	5	56	0	0	0	0	562	9	44	56	0	0	562	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	2	18	7	64	2	18	0	0	551	11	18	64	18	0	551	1918	3	39	36	22	539
No	20	12	60	6	30	2	10	0	0	562	20	60	30	10	0	562	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	31	14	45	13	42	4	13	0	0	558	31	45	42	13	0	558	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 20
 School: Fort Fairfield Elementary Scho

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	3 67 30 0	0 11 3	0 55 33	0 7 5	0 35 56	1 2 1	100 10 11	0 0 0	0 0 0	540 560 556	3 67 30 0	0 55 33	0 35 56	100 10 11	0 0 0	540 560 556	4 70 24 2	8 15 15 9	38 52 51 37	26 23 23 24	28 10 11 30	539 547 547 539
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	33 47 13 7	7 7 0 0	70 50 0 0	1 6 3 2	10 43 75 100	2 1 1 0	20 7 25 0	0 0 0 0	0 0 0 0	564 559 545 548	33 47 13 7	70 50 0 0	10 43 75 100	20 7 25 0	0 0 0 0	564 559 545 548	34 45 18 3	28 11 3 1	50 54 45 29	14 24 33 41	8 10 19 29	552 546 540 535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	27 70 3 0	5 9 0 0	63 43 0 0	3 8 1	38 38 100	0 4 0 0	0 19 0 0	0 0 0 0	0 0 0 0	564 556 546	27 70 3 0	63 43 0 100	38 38 0	0 19 0 0	0 0 0 0	564 556 546	38 48 11 3	22 12 6 6	52 53 40 26	19 24 30 29	7 11 24 38	550 546 540 534
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	3 62 34	0 8 5	0 44 50	0 8 4	0 44 40	1 2 1	100 11 10	0 0 0	0 0 0	540 557 560	3 62 34	0 44 50	0 44 40	100 11 10	0 0 0	540 557 560	17 64 19	7 15 24	42 53 49	30 23 17	21 10 10	540 547 550
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	0 10 47 43	2 6 6	67 43 46	0 6 6	0 43 46	1 2 1	33 14 8	0 0 0	0 0 0	561 558 558	0 10 47 43	67 43 46	0 43 46	33 14 8	0 0 0	561 558 558	7 28 41 24	6 9 17 21	39 49 53 51	27 28 21 20	27 15 9 8	539 544 548 549
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	3 43 53 0	0 7 7	0 54 44	1 4 7	100 31 44	0 2 2	0 15 13	0 0 0	0 0 0	550 558 559	3 43 53 0	0 54 44	100 31 44	0 15 13	0 0 0	550 558 559	6 24 33 38	14 17 17 12	43 52 52 49	24 21 21 25	20 10 9 14	543 548 548 545
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	17 76 7 0	3 11 0	60 50 0	2 8 1	40 36 50	0 3 1	0 14 50	0 0 0	0 0 0	560 559 545	17 76 7 0	60 50 0	40 36 50	0 14 50	0 0 0	560 559 545	23 31 27 20	13 17 17 12	47 52 52 50	26 21 21 24	15 10 10 14	545 548 548 545
Optional school/SAU question A. B. C. D.	0 0 0 0										0 0 0 0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	3	1	3	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	18	58	18	58	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	10	32	10	32	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	6	2	6	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	29.3	61.0	29.3	61.0	29.2	60.8
D. The Physical Setting	24	50	12.7	52.9	12.7	52.9	12.9	53.8
E. The Living Environment	24	50	16.6	69.2	16.6	69.2	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	31	1	3	18	58	10	32	2	6	543	31	3	58	32	6	543	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	31	1	3	18	58	10	32	2	6	543	31	3	58	32	6	543	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	7	1	14	2	29	3	43	1	14	541	7	14	29	43	14	541	2309	2	29	39	29	536
No	24	0	0	16	67	7	29	1	4	544	24	0	67	29	4	544	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	31	1	3	18	58	10	32	2	6	543	31	3	58	32	6	543	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	14	0	0	6	43	6	43	2	14	539	14	0	43	43	14	539	5729	2	42	37	20	539
No	17	1	6	12	71	4	24	0	0	547	17	6	71	24	0	547	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	31	1	3	18	58	10	32	2	6	543	31	3	58	32	6	543	13987	4	51	31	13	543
Gender																						
Female	22	0	0	12	55	9	41	1	5	542	22	0	55	41	5	542	6886	4	49	33	14	542
Male	9	1	11	6	67	1	11	1	11	547	9	11	67	11	11	547	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	3	27	7	64	1	9	539	11	0	27	64	9	539	1917	1	31	41	28	536
No	20	1	5	15	75	3	15	1	5	546	20	5	75	15	5	546	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	31	1	3	18	58	10	32	2	6	543	31	3	58	32	6	543	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	0	0	0	0	1	100	516	3	0	0	0	100	516	4	2	37	35	25	538
B. less than one hour	67	1	5	12	60	6	30	1	5	545	67	5	60	30	5	545	70	4	53	31	12	544
C. one to two hours	30	0	0	5	56	4	44	0	0	542	30	0	56	44	0	542	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	10	1	33	2	67	0	0	0	0	553	10	33	67	0	0	553	26	7	56	26	11	545
B. good	50	0	0	10	67	4	27	1	7	545	50	0	67	27	7	545	53	4	53	31	11	544
C. fair	37	0	0	4	36	6	55	1	9	538	37	0	36	55	9	538	18	2	41	39	17	540
D. poor	3	0	0	1	100	0	0	0	0	546	3	0	100	0	0	546	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	3	0	0	1	100	0	0	0	0	552	3	0	100	0	0	552	23	5	56	28	11	544
B. They match some of what I have learned.	14	1	25	1	25	1	25	1	25	544	14	25	25	25	25	544	48	5	52	31	12	544
C. They match just a little of what I have learned.	28	0	0	7	88	1	13	0	0	547	28	0	88	13	0	547	23	4	49	33	14	543
D. There is no match.	55	0	0	7	44	8	50	1	6	541	55	0	44	50	6	541	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	55	0	0	9	56	6	38	1	6	542	55	0	56	38	6	542	23	5	48	31	16	543
B. about the same as my regular schoolwork	34	0	0	5	50	4	40	1	10	540	34	0	50	40	10	540	58	4	52	32	12	543
C. easier than my regular schoolwork	10	1	33	2	67	0	0	0	0	556	10	33	67	0	0	556	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	0										0						33	5	51	31	14	543
B. a few times a week	10	1	33	0	0	1	33	1	33	541	10	33	0	33	33	541	45	4	52	32	11	544
C. once a week	27	0	0	5	63	3	38	0	0	543	27	0	63	38	0	543	8	4	50	30	16	542
D. a few times a month	63	0	0	12	63	6	32	1	5	543	63	0	63	32	5	543	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	47	0	0	8	57	5	36	1	7	542	47	0	57	36	7	542	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	23	1	14	3	43	3	43	0	0	546	23	14	43	43	0	546	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	10	0	0	2	67	0	0	1	33	539	10	0	67	0	33	539	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	20	0	0	4	67	2	33	0	0	545	20	0	67	33	0	545	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	3	0	0	1	100	0	0	0	0	552	3	0	100	0	0	552	47	4	51	32	12	543
B. a few times a month	30	1	11	4	44	3	33	1	11	543	30	11	44	33	11	543	27	5	54	30	11	544
C. once a month	10	0	0	2	67	1	33	0	0	543	10	0	67	33	0	543	10	5	49	30	15	543
D. never or almost never	57	0	0	10	59	6	35	1	6	543	57	0	59	35	6	543	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	7	0	0	0	0	1	50	1	50	524	7	0	0	50	50	524	46	4	52	32	12	543
B. a few times a month	40	1	8	7	58	4	33	0	0	546	40	8	58	33	0	546	28	5	53	30	12	544
C. once a month	3	0	0	1	100	0	0	0	0	552	3	0	100	0	0	552	11	4	47	34	15	542
D. never or almost never	50	0	0	9	60	5	33	1	7	543	50	0	60	33	7	543	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number